

Amateur Radio Newsline report number 1695 with a release date of Friday, February 5th, 2010 to follow in 5-4-3-2-1.

The following is a Q-S-T. CQ Magazine files a rule making request to give hams more leeway under section 97.113 for rescue radio training, a Texas ham asks the FCC to create a United States 4 meter band and the National Conference of Volunteer Examination Coordinators again revises the recently revised Technician Class question pool. Find out more on Amateur Radio Newsline(tm) report number 1695 coming your way right now.

(Billboard Cart Here)

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RADIO LAW: CQ MAGAZINE FILES RULES CHANGE REQUEST ON 97.113

One of the nations leading ham radio publications is joining the movement to modify section 97.113 of the Amateur service rules. This, to permit hams in the employ of government or relief agencies to take part in disaster training drills. Amateur Radio Newsline's Mark Abramowicz, NT3V, has the rest of the story:

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To hear talk among some in the amateur radio community, the FCC's decision to offer an interpretation of this rule more than a year ago without the filing of a complaint or request for clarification still is puzzling and even troubling.

The commission legal counsel/enforcement officer, read a posting by on a bulletin board by a ham who helped his hospital put together and then participated in a disaster drill.

That ham got a communication from the FCC saying he was in violation of the provision of 97.113 regarding pecuniary interest and an employer benefiting from amateur radio.

The perception by some of this heavy-handed approach by the new FCC administration sent shockwaves among not only the amateur community but those it serves.

The result: Some organizations backed away altogether from using the services of amateur radio for fear they could come under FCC scrutiny.

Then, a clarification from the FCC that waivers could be granted.

What followed, a petition by a group of hams led by noted radio instructor Gordon West, WB6NOA, seeking to change the rule to allow hams to take part in disaster training exercises put on by their employers.

But CQ Magazine editor Rich Moseson, W2VU, says so much more is at stake and that's why he filed a more inclusive petition with the FCC.

"We realized in reading through all this that really this interpretation goes beyond disaster and emergency communication," Moseson explains. "A very strict reading of this rule means, for example, that I as an employee of CQ Communications, would not be able to do equipment reviews.

"Or, at least, not if involved transmitting. And, for decades, staff members of magazines have been doing equipment reviews. And, it's never been a problem. But if you read this closely, if I transmit for the purpose of doing an equipment review, then, I'm in violation of the rules."

But Moseson says the FCCs interpretation of this rule, goes even further, and could impact the Amateur Radio on the International Space Station Program.

"Everyone thinks it's (ARISS) a wonderful program," Moseson says. "It's good for NASA, it's good for ham radio, it's good for kids, it's good for the national interest in promoting young people's interest in science and technology by allowing them to communicate with astronauts on board the space station via amateur radio.

"No one questions the value of this program. But the astronauts are NASA employees and they are clearly communicating on behalf of their employer when they are operating in an ARISS contact."

And, Moseson says, even though they're making those contacts on their free time, if you look at the FCC interpretation, they, too, are in violation. So, Moseson says, it's time to act and he suspects the American Radio Relay League also will weigh in shortly.

"My understanding was that the ARRL board was going to consider at its meeting a couple of weeks ago, filing its own petition," Moseson says. "My guess is that the FCC will wait until the League files its petition and then group all three of them, or more if there have been others filed as well, into a single petition that is put out for initial public comment."

In the meantime, Moseson says the interpretation stands and waivers will have to be sought.

Moseson says it's clear this issue won't be decided quickly. In most cases, he says, it could take up to a year or more for the FCC to issue it's decision.

For the Amateur Radio Newsline, I'm Mark Abramowicz, NT3V, in Philadelphia.

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You can read the entire story on the CQ petition to change section 97.113 of the Amateur service rules beginning on page 8 and continuing on page 114 of February 2010 issue of that magazine. Its also on-line at <http://www.cq-amateur-radio.com/ZeroBiasFeb10.pdf> (ARNewsline(tm))

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RESTRUCTURING: PETITION FILED FOR CREATION OF U.S. 4 METER BAND

QRZ.com lead moderator Glen Zook, K9STH, of Richardson, Texas has filed a Petition for Rulemaking to the FCC. One aimed at creating a 70.000 MHz to 70.500 MHz amateur radio band in the United States. Amateur Radio Newsline's Bruce Tennant, K6PZW, has more:

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In his January 27th filing, Glen Zook, K9STH, notes that the 4 meter band spectrum has been authorized in a growing number of European and African nations. He says that by establishing such privileges for amateur radio operators in the United States and other areas over which the Commission has jurisdiction that it would be of great benefit to those operators residing in such areas.

According to Zook, the recent migration of broadcast television stations to primarily the UHF frequencies has basically eliminated any probable interference to television channels 4 or 5 which otherwise might have occurred. This is because the 4-meter band is located on frequencies that were allocated to television channel 4. Since the 4-meter amateur radio band does not fall in the 72.0 MHz to 76.0 MHz segment which is allocated to Operational Fixed and various mobile services there would be no potential co-channel or adjacent channel interference.

In his proposal Zook suggests that the FCC allow all classes of amateur radio operators operating privileges on this new band. However, he also suggests that Novice Class licensees be restricted to a lower output level than those allowed for Technician, General, Advanced and Extra Class licensees. He says that if the present maximum power output limitation of 1500 watts P-E-P is granted to the higher class licensees then the Novice Class licensees should be restricted to no more than 200 watts power output as per most of the privileges granted those operators who hold a Novice Class license.

It should be noted that there are still a small number of low-band VHF television transmitters in operation and their owners will likely oppose the creation of a new ham band at 70 MHz. That said, the level of opposition from broadcasters will likely be far less than it would have been before the Digital Television transition of June 2009. That's when most of the nations VHF low band stations on channels 2 through 7 migrated to channels in the U-H-F range.

If the FCC decides to issue it a Rule Making designation, Glen Zook's petition to create a ham radio allocation at 70 MHz is likely to garner a lot of support from within the ham radio community. Especially from those who operate in the world above 50 MHz.

For the Amateur Radio Newsline, I'm Bruce Tennant, K6PZW, in Los Angeles.

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You can read the entire K9STH filing on-line at
<http://forums.qrz.com/showthread.php?t#4707> (QRZ.com, ARNewsline(tm))

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RESCUE RADIO: FCC TEAM ASSESSES HAITI'S COMMUNICATIONS NEEDS - PRAISES
HAM
RADIO

An FCC led telecommunications assessment team is on-the-ground in Haiti evaluating the status of the country's communications infrastructure. This, following the devastating earthquake that struck that island nation on January 12th.

The communications experts were deployed in coordination with the United States Agency for International Development. They came in response to a request from the Director General of Haiti's Conatel which is the national telecommunications regulatory agency in that quake devastated nation

The FCC team was led by International Bureau Chief Mindel De La Torre. She and the others will continue to work with Conatel and local Haitian telecommunications providers to come up with practical options for restoring communications services to the people of Haiti.

Speaking from Port au Prince, De La Torre said that after seeing the destruction of the country, and particularly the telecommunications infrastructure, that she now has a much better understanding of the monumental task to keep communications up and running in such a difficult environment. She added that it is clear that the communications sector is making a huge difference on a day-to-day basis for Haitians struggling with tremendous personal and property losses.

Bureau Chief DeLaTorre has also taken note of the contributions to earthquake relief efforts of the words ham radio community. Writing in the FCC blog, DeLaTorre noted that in the aftermath of the earthquake, the amateur radio community in Haiti, the Dominican Republic and elsewhere has dedicated equipment and spectrum resources to the relief efforts. (FCC)

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BREAK 1

From the United States of America, We are the Amateur Radio Newsline, heard on bulletin stations around the world including the KL7ION repeater serving Anchorage, Alaska.

(5 sec pause here)

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YHOTY: 2010 YOUNG HAM OF THE YEAR AWARD NOMINATING PERIOD NOW OPEN

The nominating period for the 2010 Amateur Radio Newsline Young Ham of the Year Award is now open. Each year, we here at the Amateur Radio Newsline in association with Vertex Standard Corporation -- the makers of Yaesu brand ham radio gear and CQ Magazine combine to honor a ham radio operator age 18 or younger. This, for his or her contributions to ham radio or to society itself through ham radio.

It is expected that Vertex-Standard will once again fly the winner to Huntsville, Alabama, where the award will be formally presented. Hotel accommodations as well as convention tickets are normally provided. CQ Magazine says that it will again treat the recipient to a week at Spacecamp-Huntsville as it has done in years past.

Please note that if the recipient is unable to travel to the convention, Amateur Radio Newsline will attempt to arrange a special award ceremony where he or she resides. This might be at his or her school, in front of his or her Amateur Radio club. In this case the trip to the convention will be forfeited by the recipient, but all other aspects of the award will remain.

All nominations and materials required by the official rules must be received by Amateur Radio Newsline no later than midnight on May 30th. Both mail in and electronic submission are being accepted this year. Full rules and a downloadable nominating form are now on our website at [www dot arnewsline dot org](http://www.arnewsline.org). Just scroll down until you see "2010 Young Ham of the Year Awards Now Being Accepted" and click on the words "here" to download the directions and the form. We look forward to hearing from you. (ARNewsline(tm))

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RADIO LAW: CODIFYING THE VANITY CALL SIGN RULES

The FCC is in the process of making permanent the rules governing the Vanity call sign program. As regular listeners are aware, late last year, the FCC issued a Notice of Proposed Rule Making titled WT Docket 09-209 that seeks to amend the Commission's Amateur Radio Service rules. This, to clarify certain rules and codify existing procedures governing the vanity call sign system, as well as revise certain rules applicable to club stations.

Now, interested parties may make comments on this Notice of Proposed Rule Making via the Federal Rulemaking portal or the FCC's own website. Comments must be submitted by March 26, 2010 with reply comments are due no later than April 12, 2010. The U-R-L's to use are <http://www.regulations.gov/search/Regs/home.html#home>, or via the FCC's Web site at <http://fjallfoss.fcc.gov/ecfs/>. (ARRL, FCC)

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RADIO TESTING: NCVEC RELEASES REVISED ELEMENT 2 TECH QUESTION POOL

A revision to the new Element 2 Technician class ham radio testing question pool released this past January 4th. This, as the Question Pool Committee of the National Conference of Volunteer Examiner Coordinators says that after further review that it found and corrected more than 50 minor typographical errors. Also that it clarified the questions and answers making them easier to understand.

These changes are now incorporated in a revised Element 2 question pool that contains some 400 questions. 35 are selected to make up any given Element 2 exam. And in a departure from past Element 2 question pools this one contains graphics and diagrams.

According to the NCVEC the errata list, as well as the revised Technician question pool, is available on the organizations website at [www dot ncvec dot org](http://www.dot.ncvec.org). This new Element 2 question pool becomes effective for Technician class examinations administered on or after this coming July 1st and will remain valid until June 30, 2014. (NCVEC)

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COMMUNICATIONS LAW: NEW GROUP FORMED TO FIGHT DISTRACTED DRIVING

A new group with government support is targeting all forms of distractions while driving. And while amateur radio is not yet in its gun-sights, hams will want to keep a close eye on this one as we hear from Frank Haas, KB4T, has the details:

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The National Highway Traffic Safety Administration has teamed up with the National Safety Council for form a new organization to end distracted driving. This through the creation of a new organization called FocusDriven which is the first nonprofit organization devoted to combating distracted driving and supporting victims of distracted drivers.

The National Highway Traffic Safety Administration defines distracted driving as any non-driving activity a person engages in that has the potential to distract him or her from the primary task of driving and increase the risk of crashing. It notes that there are three major types of driving distraction that incude visual, manual and cognitive. In simple terms this means any activity that causes a driver to take one's eyes off the road, ones hands off the steering wheel, or one's mind off of driving.

While distracted driving has always been a safety issue. Now, with the advent of mobile communication devices and other mobile technologies, it has become what the FocusDriven calls a growing epidemic. The group considers cell phone texting the most alarming of newer distractions, because it involves all three types of distraction. Other forms of distracted driving includes driving while using a cell phone, changing a radio station, eating and drinking, talking to passengers, grooming, using a CD or Mp3 player, watching a video or reading, or using a PDA or navigation system or other portable electronic devices.

So far, a ban against texting while driving has been enacted in 19 states plus Washington D.C. and Guam. Six states plus Washington D.C. and the Virgin Islands have banned the use of all hand-held devices for any reason while driving. Most but not all do have exclusions for users of two-way business communications and some have extended that exclusion to amateur radio.

For the Amateur Radio Newslne, I'm Frank Haas, KB4T, in Holly Hill, Florida.

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The new FocusDriven organization is said to be modeled after the organization Mothers Against Drunk Driving. More is on-line at [www dot](http://www.dot)

focusdriven dot org. (FocusDriven, various news reports)

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RADIO LAW: DEPARTMENT OF TRANSPORTATION BANS TRUCKERS FROM TEXTING

The Department of Transportation has announced an immediate ban on operators of trucks and buses on U.S. roadways text messaging while driving. Transportation Secretary Ray LaHood announced the ban on Tuesday, January 26th saying that this is an important safety step and we will be taking more of them to eliminate the threat of distracted driving.

Officials of the trucking and bus industries say they support the new ban on texting while driving buses and trucks. The president of the American Bus Association told the press that many bus companies already have similar policies in place. Drivers of interstate buses and large trucks who text while driving could face fines of up to \$2,750.

Secretary LaHood has been campaigning against texting and cell phone use while driving for some time. He says enforcing restrictions on texting by long haul drivers will be difficult and he's calling on the wireless industry to work with public officials to come up with a solution. (Published reports)

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RESCUE RADIO: PROPOSED EAS CHANGES COULD LEAD TO ANNUAL TESTS

Federal telecommunications officials are planning to hold the first nationwide test of the broadcast Emergency Alert System, but they have yet to set a specific date. And it will not happen until new regulations are in place.

FCC rules currently provide for voluntary testing at the state and the local level, but not nationally. The FCC has now issued a Second Further Notice of Proposed Rulemaking to change the rules governing the Emergency Alert System so as to conduct national testing at least once a year.

The FCC is also proposing requiring a more detailed form documentation from participating TV, radio and cable operations. The information would be due to the commission within 30 days after the test, and would be made available to the public. The agency is also asking for feedback on the equipment used to retransmit the EAS codes, which the agency says differs depending on the manufacturer. (FCC, Broadcast & Technology)

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HAM HAPPENINGS: ARRL AUDIO NEWS TEMPORARILY SUSPENDED

The American Radio Relay League has temporarily suspend its ARRL Audio News operation. According to the League, the suspension was brought about by the planned introduction of the ARRL's new and redesigned website. It said that in order to do this properly, the League was suspending the ARRL Audio News operations while it looks for solutions that will enable it to provide the technical quality and distribution channels expected of that

organization. The last newscast in the current ARRL Audio News series was issued on Thursday, January 28th. At our airtime the League has not set a date for the return of its audio news service. (ARRL)

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HAMVENTION HAPPENINGS: 25TH ANNUAL DAYTON DX DINNER ON MAY 14TH

The SouthWest Ohio DX Association will sponsor the 25th annual DX Dinner at the 2010 Dayton Hamvention on Friday, May 14th at 6 p.m. Eastern time. The venue is the Crowne Plaza Hotel, in downtown Dayton. Program details and a list of the prizes will be available on the SouthWest Ohio DX Association website as soon as both are confirmed. You will find that along with information on reservations in cyberspace at [www dot SWODXA dot org](http://www.dotSWODXA.org) (SWODXA)

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HAMVENTION HAPPENINGS: 2010 DAYTON CONTEST DINNER MAY 15TH

And the 18th Annual Dayton Contest Dinner is now slated for Saturday night, May 15th at 6:30 P.M. local time. The venue is the Van Cleve Ballroom also at the Crowne Plaza Hotel in downtown Dayton. Master of Ceremonies will be CQ Magazine Contest Editor John Dorr, K1AR. Along with Dorr will be CQ World-Wide Contest Director Bob Cox, K3EST, who will formally announce the 2010 CQ Contest Hall of Fame inductees. Tickets are available only on-line at www.contestdinner.com. (K3LR)

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THE SOCIAL SCENE: THE VISALIA TOP BAND DINNER

And the famed Top Band Dinner at the 2010 Visalia DX Convention will be held Friday, April 16th, at the convention hotel. That's the Birth Room at the Visalia Holiday Inn in Visalia, California.

This years dinner speaker is Bruce Butler, W6OSP. He will present the program "The Low Bands from K4M, Midway."

Dinner is buffet style and costs \$36. For reservations an email to WB6RSE at his QRZ.com address. And for those of you not aware, the term Top Band refers to 160 meter operation. (Via e-mail)

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BREAK 2

This is ham radio news for today's radio amateur. From the United States of America, We are the Amateur Radio Newsline with links to the world from our only official website at www.arnewsline.org and being relayed by the volunteer services of the following radio amateur:

(5 sec pause here)

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CHANGING OF THE GUARD: LOUISIANA'S MR. HAM RADIO FRIENDSHIP - MIKE KING, W5PY, S..K

Amateur Radio has lost a great friend and ambassador in the New Orleans and southeast Louisiana region. Mike King, W5PY lost his battle with cancer late Wednesday evening, January 27th. W5PY was a ham's ham. Mike served as ARRL Assistant Section Manager for the State of Louisiana since 2002 and was net Manager for the Louisiana Traffic Net. Passing traffic was a passion for W5PY. He was also past president and past vice president of the Ozone Amateur Radio Club in Slidell, LA. and was a regular net control for the club's weekly 2-meter net. Any visitor to club meetings was greeted by

Mike at the door and introduced to everyone in the room. Mike also sent welcome letters to newly licensed hams. A friendlier guy you could never hope to meet. Even very late into his battle with cancer he could be found at the door of his church greeting worshipers as they filed in. An intensely private man, Mike never complained or hardly ever acknowledged his terminal illness.

As a naval aviator Captain King flew just about everything with wings. From fighters off of aircraft carriers to cargo planes and everything in between. Mike was awarded many medals and honors for his service in Southeast Asia, Grenada and Viet Nam. W5PY was stationed around the world and was assigned to the Vice Chief of Naval Operations Air Warfare in the Pentagon and Commander Naval Air Forces Atlantic Fleet at NAS Norfolk. After retiring from the military he flew for Braniff Airlines and retired as a 747 First Officer flying freight between Miami and South America. W5PY was an Eagle Scout and 32nd degree Mason. Sailing was a passion as well. He spent many hours sailing his Beneteau 321 on New Orleans' Lake Pontchartrain from his waterfront home in Slidell. He was a volunteer for the First Baptist Church of Slidell, the Red Cross, Life Songs Christian Radio and North Shore Regional Medical Center where he was very active during Hurricane Katrina, practically living at the hospital and spending countless hours at the hospital's ham station passing traffic.

Mike was a fixture at just about every hamfest or testing session in south Louisiana and Mississippi talking up the hobby, welcoming new hams and spreading the word about the Slidell, LA hamfest. I'll never forget the time he came up to me and introduced me to his girlfriend, who he called "Crayola". "Don," he said, "I want you to meet Crayola. I call her that

because she's colorful. I love to surround myself with colorful people, Don. That's why I like you so much. You and Crayola are about the most colorful people I know and I wanted you guys to meet". That was Mike King,

W5PY. He was a friend to ham radio and all he met. In the more than 10 years I knew him I never once heard him say anything negative about anything or anyone. He is survived by his mother, sister and brother Joel King, KM5CA, All of San Antonio, TX. He was interred at Port Hudson National Cemetery near Baton Rouge, LA. Mike King, W5PY was 62. (AE5DW)

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THE CHANGING OF THE GUARD: RADCOM COLUMNIST NORMAN FITCH, G3FPK - S.K.

And from the United Kingdom comes word that Radio Communications Magazine VHF/UHF columnist Norman Fitch G3FPK, has also become a silent key. The Southgate news reports that Fitch was found dead at his home in Surrey England on Friday, January 29th.

Back in April of 1989 G3FPK took over the VHF/UHF duties from Ken Willis, G8VR, when it was part of the Spectrum Analysis feature of the magazine. The column then became VHF/UHF News and eventually, it became the VHF/UHF column of today.

Norman Fitch, G3FPK, is described as having been a keen operator on the VHF/UHF and Microwave bands and had been writing for over 20 years. His friends say that he will be greatly missed. (GB2RS)

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HAM RADIO IN SPACE: NASA TO LAUNCH THREE NEW HAM RADIO CUBESATS

NASA plan to launch 3 CubeSats with amateur radio educational payloads late in November. The small research satellites will go into orbit for several universities as part of the agency's Educational Launch of Nanosatellite mission.

The satellites, called CubeSats because of their shape, come from Montana State University, the University of Colorado and Kentucky Space. Montana State designated its satellite as Explorer 1 Prime in honor of the scientific discoveries of the Explorer-1 mission. Colorado's satellite is named Hermes with a mission objective to improve CubeSat communications through the on-orbit testing.

But its Kentucky's bird called KySat-1 that is what the ham in the street is watching because it is believed to be the first CubeSat ever to carry a 2 meter to 70 cm FM transponder. Truly a crossband repeater in space and one that should be accessible by most hams within its flight path.

CubeSats are in a class of small research spacecraft called pico-satellites. They have a size of approximately four inches, a volume of about one quart and weigh no more than 2.2 pounds. The University of Florida was selected as an alternate in case one of the three primary spacecraft cannot fly. (ANS, Southgate, others)

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WORLDBEAT: INCREASED VENUE COST CLOSES HAMFEST

Due to increased facility rental costs at the venue of the United Kingdom's Chesterfield Rally the planners have decided to cancel all future events. They add that they have been unable to secure another location with the same space and facilities in the region apologizes for any inconvenience to attendees and exhibitors who were looking forward to this year's hamfest. The group's website at www.chesterfieldrally.com is still online and a new website at www.m0oct.com will carry details of future activities. (G6IBQ)

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WORLDBEAT: TOP BAND FOR SPANISH HAMS IN CONTESTS

At the request of the Spain's national ham radio society the Spanish Director General of Telecommunications has permitted the use of 160 meter Top Band in certain contests. In all, some seven contest periods through the end of the year will permit Spanish hams the use of 1810 to 2000 kHz. A complete listing will soon be on-line at the society's website at www.ure.es (URE)

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DX

In DX, word that EI6DX, will be active portable 6W from Senegal, in November. He will concentrate on the lower bands and CW. QSL via RX3RC, by the bureau or direct. Look for updates via the web at [www dot ei6dx dot com](http://www.dot.ei6dx.com).

The VP8 South Shetland Islands A0-51 operation by XR9JA will be active through February 28th. This affair was originally planned for January but had to be rescheduled. The operation is taking place at the Chilean Naval base on Greenwich Island. QSL via CE5JA, either direct or via the bureau.

7Q7HB is again heading to the warmer climate of Malawi for a period of 3 months or so. His activity will probably be on the Digital modes and on CW. QSL only direct to G0IAS with sufficient funds for return cards.

OH5SB operating maritime mobile will activate the wet squares at the Baltic on 2 meter SSB in summer 2010. His primary frequency on 2 meters will be 144.288 or 144.300. QSL direct to DL2SB.

DK1AX, will be active holiday style portable EA8 from Teneriffa in the Canary Islands through February 14th. Hes using only QRP CW on 15, 20, 30 and 40 meters with an Elecraft K1 at 5 watts to a Kelemen dipole primarily on the QRP frequencies. QSL only via the bureau to DK1AX or direct with a self addressed stamped envelope. His address can be found at QRZ.com.

Lastly, UA3DJY, is back in Dar Es Salaam, and is operating from the D-I-T Communications Club station, 5-I-3-A, until March 1st. He says that he will try to be active on all bands with emphasis on 40, 20 and 15 meter CW and 17 and 15 meters SSB. QSL via RK3AOL.

(Above from various DX news sources)

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THAT FINAL ITEM: YOU TOO CAN OWN A SPACE SHUTTLE

And finally this week, if you have ever dreamed of operating ham radio from the Space Shuttle, you may soon have your chance. That is if you have a lot of extra bucks and a place on the ground to set one up as your hamshack. Graham Kemp, VK4BB of the W-I-A News had the rest of the story from down-under:

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NASA has slashed the price of its shuttles to just 20.3m Euro. Discovery is going to the Smithsonian National Air and Space Museum while Atlantis and the Endeavour are up for sale.

The delivery date is given as the second half of 2011 and shuttle main engines are said to be available for the cost of transportation and handling.

Now it can truly be said to watch this space.

For the Amateur Radio Newsline, I'm Graham Kemp, VK4BB, of the WIA News in Brisbane, Australia.

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One problem that might be a bit hard to deal with. If your neighbors think that your tower and beam or unsightly imagine the protests that planting the Atlantis and the Endeavour in your back 40 might create. (WIA News)

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NEWSCAST CLOSE

With thanks to Alan Labs, AMSAT, the ARRL, the CGC Communicator, CQ Magazine, the FCC, the Ohio Penn DX Bulletin, Radio Netherlands, Rain, the RSGB, the Southgate News and Australia's W-I-A News, that's all from the Amateur Radio Newsline(tm). Our e-mail address is newsline@arnewsline.org. More information is available at Amateur Radio Newsline's(tm) only official website located at www.arnewsline.org. You can also write to us or support us at Amateur Radio Newsline(tm), 28197 Robin Avenue, Santa Clarita California, 91350

For now, with Bill Pasternak, WA6ITF, at the editors desk, I'm Don Wilbanks, AE5DW, saying 73 and we thank you for listening.

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